

Abundance and Run Timing of Adult Pacific Salmon in the Kwethluk River, Yukon Delta National Wildlife Refuge, Alaska, 2005. 04-301 Weir rebuild.

The Kwethluk River weir was not operated in 2005. Cold spring temperatures followed by a rapid warming resulted in high water flows during the installation time period. Field crews comprised of personnel from the U.S. Fish and Wildlife Service and the Organized Village of Kwethluk prepared for weir installation in April 2005 but were placed on standby due to high water. Water levels remained elevated through mid-July prompting a decision to cancel weir operations. Managers used operational fund savings to repair and rebuild components of the Kwethluk River resistance board weir due to damage from flooding, ice, trees, logs and debris from the previous five years of operations. Between July 2005, and February 2006, hardware and materials were ordered, components fabricated and welded, and panels assembled by village employees under the Service's supervision in Bethel. In March 2006, new weir panels were crated, staged for airlift and moved to the weir site in April. Weir panel width was reduced from 121 cm to 102 cm, which decreased panel weight, eased handling, and accommodated installation. Overall panel length remained at 6 m.

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